

**AMENDMENTS TO THE SPECIFICATION**

- Please replace the paragraph on page 16, starting at line 14 with the following text:

Figure 4 demonstrates the sequence of the human  $\beta$ -globin gene surrounding the codon mutated (in bold red) to cause sickle cell anemia. Depicted are two pairs of potential chimeric nucleases (HBGZF1 and HBGZF2; HBGZF3 and HBGZF4). The binding sites for the chimeric nucleases are highlighted by being in capital letters.

- Please replace the paragraph on page 53, starting at line 3 with the following text:

The sequence of the human  $\beta$ -globin gene surrounding the codon mutated (in bold red) to cause sickle cell anemia is shown in Figure 4. Depicted are two pairs of potential chimeric nucleases (HBGZF1 and HBGZF2; HBGZF3 and HBGZF4). The binding sites for the chimeric nucleases are highlighted by being in capital letters.